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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. : 10/804,274  
Filed : March 19, 2004  
Applicant : Hull, et al.  
Title : Slope Predictive Control and  
Digital PID Control

TC/AU : 3744  
Examiner : Mohammad M. Ali

Docket No. : 15555-0035  
Customer No. : 29052

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action mailed April 25, 2005, please amend the application as follows and consider the application in view of the following remarks.

**The Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

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**Certificate of Mailing Under 37 C.F.R. § 1.8(a)**

I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on August 25, 2005 with sufficient postage as first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Rebecca L. Smith